BOTH BATTERY TYPE AND ENGINE TYPE OF WAGONS POP

IMPROVES PARTS

Perfection in Each Small Unit in Car Brought Out by Tests in Practical Use.

ufacturing Company.

The parts manufacturer has had his share in the rapid development of the gutomobile industry. His work began at the me when twenty miles an hour was considered a dangerous speed on the road, when if an automobile would go a few miles without stopping for some adjustment it was considered good enough to cank with the best. Due in some degree to his efforts, stock cars are now built capable of going thousands of miles with the bonnet scaled or that may be driven in a race five hundred miles at seventyfour miles an hour without mechanical ad-

This perfection in these units the parts bout, first, by specialization, the concen-ration of the force of an entire organizaupon one or at most a very few les; second, by co-operation with his omers, making use of their sugges-

Advance Always Expected.

Advance Always Expected.

It is seldom indeed that any design is a guch perfect form when first presented to the public that further improvement annot be made. It may have shown such tood results in the first trials that the makers were justified in placing it on the makers were justified in placing it on the market, and while it may at all times have given a good account of itself, yet as it goes through the fire of the real set its use on thousands of cars of scores or hundreds of different makes, under all lossible conditions of service, it must, to told its popularity, be so refined and improved that just complaints shall be, not may largely, but entirely removed.

The Waverley Company will be represented by an electric three ton chassis, with a wheel base of 118 inches and length back of driver's seat of thirteen feet. The times are \$500 in front and \$000.

figurest sizes or models for the varied back of driver's seat of thirteen feet. The litions of service are usually required, it is necessary also to make sure that customer not only receives the proper for his work, but that it shall be serly installed. The extra effort and muse this entails is an insurance nest trouble that is well justified, unately the average automobile deer is broad enough to realize that the with heavy gusset plates. The axles are leaver engineer, from his experience drop forged allow steel, the wheel places. er is broad enough to realize that the
ssory engineer, from his experience
undreds of installations, is in position
olve satisfactorily any problems that
arise in the mounting or use of his
unt. Here the accessory manufacturer
is a specialist in his line co-operates
the direct advantage of the design of
our as a whole.

with heavy gusset pixtes. The arise are
drop forged alloy steel, the wheel pivots
being ground and fitted with Timken roller
bearings. Primary drive chains for this
chassis are enclosed in metal cases fitted
with hand plates that may be removed
when desired. The front springs are semi-

ASJUNTANTES.

AS

contributed no little share to the advance-ment of the industry as a whole.

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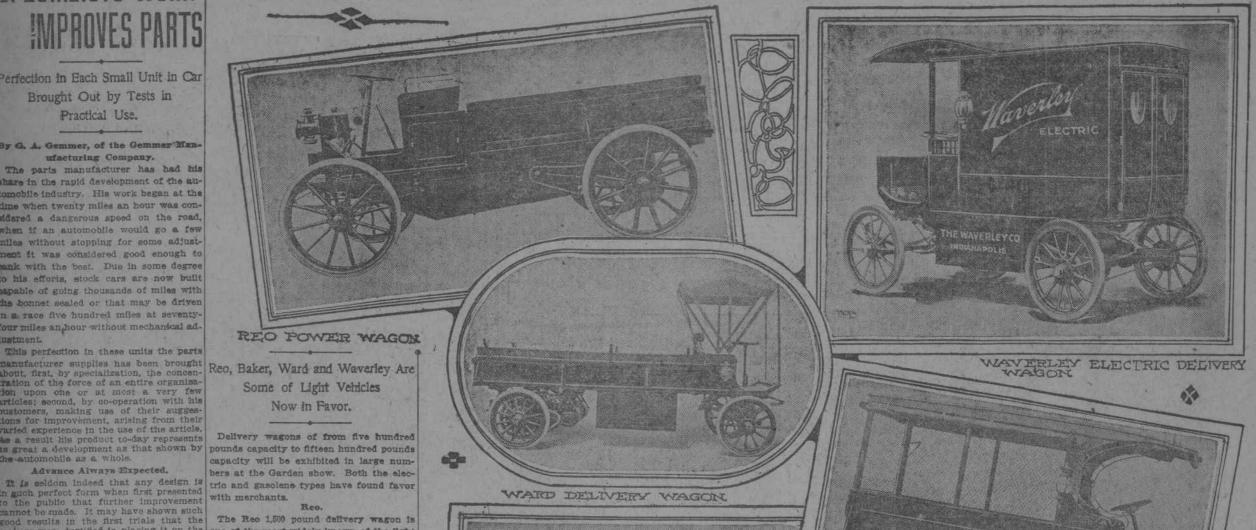
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The human race has waited many centuries for a swifter means of locomotion which will save time, and, as we say, "time is money." Thus it greatly enlarges our field of activity—the goal toward which will cave always been striving. The motor far does this to such an extent that it is five proof structure. It will be a four story belty of accidents. He also learns that the greatly enlarges our far does this to such an extent that it is

A. L. Riker Contends for American Practice as Giving Better Load Distribution.

By A. L. Riker, of the Locomobile Com-

pany of America. One of the most striking differences in American and foreign practice in the design of large capacity trucks is found in the location of the driver's seat. A large proportion of the American builders piace the driver's seat above the motor, although some follow the European practice of

While I will readily grant that there are certain cases in which it might be dealras a matter of general practice the location of the driver's seat above the motor offers so many advantages that it makes the adoption of this location almost ob Mgatory.

Advocates of the European design op pose the American design for two reasons. One objection they raise is that the driver loses both time and strength getting in and out of the seat. This objection might be reasonable if large capacity trucks were designed for short haul delivery ser-

truce, and the standard of workmanning spaces and the other on reverse.

Ward.

A Ward delivery wagon chassis, with different types of bodies, will be seen at the countershaft, both foot operated. The ward spaces are shown as the permits the countershaft, both foot operated. The ward spaces are shown as the standard of workmanning was a roun that the centre of gravity can be located much nearer the centre of length, reducing the tendency to skid. This design also be a Waverley on the sign also be a waverley on the sign also be a waverley on the sign also be a standard of workmanning spaces.

A Ward delivery wagon chassis, with different types of bodies, will be seen at truck a forry horse power. The engine last of the countershaft, both foot operated. The waverley controller is of the countershaft, both foot operated. The waverley controller is of free y horse power. The engine last of the form and rear whosis.

This chassis has a 100 noh wheel base. In addition the Waverley Company will extract the total the sacrifices a smaller percentage of length, reducing the tendency to skid. This design also be a waverley on the sign also be carrying capacity of 2,500 pounds. Waverley controller is of free y horse power. The engine last of the form and rear whosis.

The ward space.

Baker.

Baker electric vehicles of several types in addition the Waverley Company will extract the truck has a double side chain with a carrying capacity of 2,500 pounds. Waverley controller is of free y horse power. The engine last of ferry horse power. The engine last of ferry horse power. The engine last of ferry horse power. The waverley controller is of free y horse power. The engine last of ferry horse power. The waverley controller is of free y horse power. The waverley controller is of free y horse power. The engine last of ferry horse power. The waverley controller is of free y horse power. The engine last of ferry horse power. The waverley controller is of free y horse power. The engine last of ferry horse power. The waverley contro

strongly to the amateur motorist and enhances the delight of touring.

The remountable rim has become an absolute necessity, and one of its principal recommendations is the ease with which it is operated.

MOTOR TRUCK HAULS

MOTOR TRUCK HAULS

PIPE AND DIGS TRENCH

Wright Finds, Rewards Production of Best Character.

Motor Remotor is and entered and string the same and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was and set back 127 feet, with the short was a remailer space.

NEW RAMBLER BUILDINGS.

Announcement has been made by the Thomas B. Jeffery Company that plans the company of fifteen years at a rental of \$192,000.

The Rambier service building in Chitage with the company and the back of the truck entered and the short was a term of

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